

Pre-Qualification requirements (PQR) for the procurement of LV HRC General Purpose Fuse spares as per specification / applicable TDC through Open Tender.

PR No.: 145789175, dt.: 09.12.2025

A: Organizational Capability & Technical Competence:

Sl. No.	Pre – Qualification Criteria	Bidder acceptance / Bidder remarks
1.	Vendor shall provide documents related to “LV HRC General Purpose Fuse spares”.	
2.	The OEM (or) Authorised channel partner of OEM can only participate this tender. In case OEM Authorised channel partner is participating this tender, authorisation letter along with their current valid channel partnership shall be submitted along with the offer.	

B: Past Experience/ Performance:

Sl. No.	Pre – Qualification Criteria	Bidder acceptance / Bidder remarks
1.	Vendor must have executed and be in the business of supply of the LV HRC General Purpose Fuse spares during the past 5 Financial years. Vendor shall submit documentary evidence like Purchase order executed and Work completion certificate or Customer satisfaction certificate for the work completed as supporting document, along with the offer, in order to qualify. Otherwise their offer is liable for rejection.	

Necessary supporting documents shall be submitted for meeting each of the above Pre-Qualification Criteria for technical evaluation of the offers.

BHEL reserves the right to consider/Not-consider the offers based on the evaluation of documents submitted for the above Pre-Qualification Criteria. If required, BHEL also reserves the right to verify information submitted by vendor. In case the information is found false/incorrect, the offer shall be rejected. BHEL also reserves the right to carry out audit checks for confirming the material properties on the supplied material during material receipt at BHEL. Supplies found defective during check or subsequent processing at BHEL will be rejected.

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Technical Specification for LV HRC Fuses for General Purpose Use

General Conditions:

- 1 Dimensional drawings are attached for reference at the end.
- 2 The requirement for compact and normal size(NH01/NH1) shall be taken into consideration while choosing the model.
- 3 For equivalents to the mentioned reference, make & part no shall be submitted for each line item along with datasheets & dimensional drawings.
- 4 Only equivalent makes of Siemens, Mersen, C&S Electric, L&T, Schneider shall be considered for evaluation.

Sl. No.	Description	Details	Reference Make & Part No		Vendor response	
			Make	Part No	Make	Part No
1	500 V a.c. - class gG/gL - 630 A - Size 3 - NH Fuse Link	Desc: Square body LV HRC General Purpose Fuse link Size: 3/DIN 43620 Rated Current: 630 A Rated Voltage: 500V a.c., Operational Class: gG/gL Breaking Capacity: 120kA AC Operating Frequency: 45 to 62 Hz Standards/Approvals: IEC60269-1&2, IS13703-1&2, CE/ISI Mounting: Knife Type, Conducting Metallic Gripping Lugs Indication: Dual Indication	Eaton Bussmann	630NHG3B		
2	500 V a.c. - class gG/gL - 400 A - Size 03 - NH Fuse Link	Desc: Square body LV HRC General Purpose Fuse link Size: 03/DIN 43620 Rated Current: 400 A Rated Voltage: 500V a.c., Operational Class: gG/gL Breaking Capacity: 120kA AC Operating Frequency: 45 to 62 Hz Standards/Approvals: IEC60269-1&2, IS13703-1&2, CE/ISI Mounting: Knife Type, Conducting Metallic Gripping Lugs Indication: Dual Indication	Eaton Bussmann	400NHG03B		
3	500 V a.c. - class gG/gL - 400 A - Size 2 - NH Fuse Link	Desc: Square body LV HRC General Purpose Fuse link Size: 2/DIN 43620 Rated Current: 400 A Rated Voltage: 500V a.c., Operational Class: gG/gL Breaking Capacity: 120kA AC Operating Frequency: 45 to 62 Hz Standards/Approvals: IEC60269-1&2, IS13703-1&2, CE/ISI Mounting: Knife Type, Conducting Metallic Gripping Lugs Indication: Dual Indication	Eaton Bussmann	400NHG2B		
4	500 V a.c. - class gG/gL - 250 A - Size 2 - NH Fuse Link	Desc: Square body LV HRC General Purpose Fuse link Size: 02/DIN 43620 Rated Current: 250 A Rated Voltage: 500V a.c., Operational Class: gG/gL Breaking Capacity: 120kA AC Operating Frequency: 45 to 62 Hz Standards/Approvals: IEC60269-1&2, IS13703-1&2, CE/ISI Mounting: Knife Type, Conducting Metallic Gripping Lugs Indication: Dual Indication	Eaton Bussmann	250NHG02B		
5	500 V a.c. - class gG/gL - 250 A - Size 1 - NH Fuse Link	Desc: Square body LV HRC General Purpose Fuse link Size: 1/DIN 43620 Rated Current: 250 A Rated Voltage: 500V a.c., Operational Class: gG/gL Breaking Capacity: 120kA AC Operating Frequency: 45 to 62 Hz Standards/Approvals: IEC60269-1&2, IS13703-1&2, CE/ISI Mounting: Knife Type, Conducting Metallic Gripping Lugs Indication: Dual Indication	Eaton Bussmann	250NHG1B		

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6	500 V a.c. - class gG/gL - 200 A - Size 1 - NH Fuse Link	Desc: Square body LV HRC General Purpose Fuse link Size: 1/DIN 43620 Rated Current: 200 A Rated Voltage: 500V a.c., Operational Class: gG/gL Breaking Capacity: 120kA AC Operating Frequency: 45 to 62 Hz Standards/Approvals: IEC60269-1&2, IS13703-1&2, CE/ISI Mounting: Knife Type, Conducting Metallic Gripping Lugs Indication: Dual Indication	Eaton Bussmann	200NHG1B		
7	500 V a.c. - class gG/gL - 160 A - Size 01 - NH Fuse Link	Desc: Square body LV HRC General Purpose Fuse link Size: 01/DIN 43620 Rated Current: 160 A Rated Voltage: 500V a.c., Operational Class: gG/gL Breaking Capacity: 120kA AC Operating Frequency: 45 to 62 Hz Standards/Approvals: IEC60269-1&2, IS13703-1&2, CE/ISI Mounting: Knife Type, Conducting Metallic Gripping Lugs Indication: Dual Indication	Eaton Bussmann	160NHG01B		
8	500 V a.c. - class gG/gL - 160 A - Size 00 - NH Fuse Link	Desc: Square body LV HRC General Purpose Fuse link Size: 00/DIN 43620 Rated Current: 160 A Rated Voltage: 500V a.c., Operational Class: gG/gL Breaking Capacity: 120kA AC Operating Frequency: 45 to 62 Hz Standards/Approvals: IEC60269-1&2, IS13703-1&2, CE/ISI Mounting: Knife Type, Conducting Metallic Gripping Lugs Indication: Dual Indication	Eaton Bussmann	160NHG00B		
9	500 V a.c. - class gG/gL - 125 A - Size 00 - NH Fuse Link	Desc: Square body LV HRC General Purpose Fuse link Size: 00/DIN 43620 Rated Current: 125 A Rated Voltage: 500V a.c., Operational Class: gG/gL Breaking Capacity: 120kA AC Operating Frequency: 45 to 62 Hz Standards/Approvals: IEC60269-1&2, IS13703-1&2, CE/ISI Mounting: Knife Type, Conducting Metallic Gripping Lugs Indication: Dual Indication	Eaton Bussmann	125NHG00B		
10	500 V a.c. - class gG/gL - 100 A - Size 00 - NH Fuse Link	Desc: Square body LV HRC General Purpose Fuse link Size: 00/DIN 43620 Rated Current: 100 A Rated Voltage: 500V a.c., Operational Class: gG/gL Breaking Capacity: 120kA AC Operating Frequency: 45 to 62 Hz Standards/Approvals: IEC60269-1&2, IS13703-1&2, CE/ISI Mounting: Knife Type, Conducting Metallic Gripping Lugs Indication: Dual Indication	Eaton Bussmann	100NHG00B		
11	500 V a.c. - class gG/gL - 100 A - Size 000 - NH Fuse Link	Desc: Square body LV HRC General Purpose Fuse link Size: 000/DIN 43620 Rated Current: 100 A Rated Voltage: 500V a.c., Operational Class: gG/gL Breaking Capacity: 120kA AC Operating Frequency: 45 to 62 Hz Standards/Approvals: IEC60269-1&2, IS13703-1&2, CE/ISI Mounting: Knife Type, Conducting Metallic Gripping Lugs Indication: Dual Indication	Eaton Bussmann	100NHG000B		

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12	500 V a.c. - class gG/gL - 80 A - Size 00 - NH Fuse Link	Desc: Square body LV HRC General Purpose Fuse link Size: 00/DIN 43620 Rated Current: 80 A Rated Voltage: 500V a.c., Operational Class: gG/gL Breaking Capacity: 120kA AC Operating Frequency: 45 to 62 Hz Standards/Approvals: IEC60269-1&2, IS13703-1&2, CE/ISI Mounting: Knife Type, Conducting Metallic Gripping Lugs Indication: Dual Indication	Eaton Bussmann	80NHG00B		
13	500 V a.c. - class gG/gL - 63 A - Size 00 - NH Fuse Link	Desc: Square body LV HRC General Purpose Fuse link Size: 00/DIN 43620 Rated Current: 63 A Rated Voltage: 500V a.c., Operational Class: gG/gL Breaking Capacity: 120kA AC Operating Frequency: 45 to 62 Hz Standards/Approvals: IEC60269-1&2, IS13703-1&2, CE/ISI Mounting: Knife Type, Conducting Metallic Gripping Lugs Indication: Dual Indication	Eaton Bussmann	63NHG00B		
14	500 V a.c. - class gG/gL - 63 A - Size 000 - NH Fuse Link	Desc: Square body LV HRC General Purpose Fuse link Size: 000/DIN 43620 Rated Current: 63 A Rated Voltage: 500V a.c., Operational Class: gG/gL Breaking Capacity: 120kA AC Operating Frequency: 45 to 62 Hz Standards/Approvals: IEC60269-1&2, IS13703-1&2, CE/ISI Mounting: Knife Type, Conducting Metallic Gripping Lugs Indication: Dual Indication	Eaton Bussmann	63NHG000B		
15	500 V a.c. - class gG/gL - 50 A - Size 01 - NH Fuse Link	Desc: Square body LV HRC General Purpose Fuse link Size: 0/DIN 43620 Rated Current: 50 A Rated Voltage: 500V a.c., Operational Class: gG/gL Breaking Capacity: 120kA AC Operating Frequency: 45 to 62 Hz Standards/Approvals: IEC60269-1&2, IS13703-1&2, CE/ISI Mounting: Knife Type, Conducting Metallic Gripping Lugs Indication: Dual Indication	Eaton Bussmann	50NHG0B		
16	500 V a.c. - class gG/gL - 32 A - Size 000 - NH Fuse Link	Desc: Square body LV HRC General Purpose Fuse link Size: 000/DIN 43620 Rated Current: 32 A Rated Voltage: 500V a.c., Operational Class: gG/gL Breaking Capacity: 120kA AC Operating Frequency: 45 to 62 Hz Standards/Approvals: IEC60269-1&2, IS13703-1&2, CE/ISI Mounting: Knife Type, Conducting Metallic Gripping Lugs Indication: Dual Indication	Eaton Bussmann	32NHG000B		
17	500 V a.c. - class gG/gL - 10 A - Size 000 - NH Fuse Link	Desc: Square body LV HRC General Purpose Fuse link Size: 000/DIN 43620 Rated Current: 10 A Rated Voltage: 500V a.c., Operational Class: gG/gL Breaking Capacity: 120kA AC Operating Frequency: 45 to 62 Hz Standards/Approvals: IEC60269-1&2, IS13703-1&2, CE/ISI Mounting: Knife Type, Conducting Metallic Gripping Lugs Indication: Dual Indication	Eaton Bussmann	10NHG000B		

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18	690 V a.c. - class gG - 63 A - Size A3 - BS88 Fuse Link	Desc: Offset Bolted Tag LV HRC General Purpose Fuse link Size: A3/BS88 Rated Current: 63 A Rated Voltage: 690V a.c., Operational Class: gG Breaking Capacity: 80kA AC Operating Frequency: 45 to 62 Hz Standards/Approvals:BS88-1&2, IEC60269-2/IS13703-2, CE/ISI Mounting: Offset Tag, Closed slot, Bolted Type Fixing Centre: 73 mm	Eaton Bussmann	TIS63		
19	690 V a.c. - class gG - 32 A - Size A2 - BS88 Fuse Link	Desc: Offset Bolted Tag LV HRC General Purpose Fuse link Size: A2/BS88 Rated Current: 32 A Rated Voltage: 690V a.c., Operational Class: gG Breaking Capacity: 80kA AC Operating Frequency: 45 to 62 Hz Standards/Approvals:BS88-1&2, IEC60269-2/IS13703-2, CE/ISI Mounting: Offset Tag, Closed slot, Bolted Type Fixing Centre: 73 mm	Eaton Bussmann	TIA32		

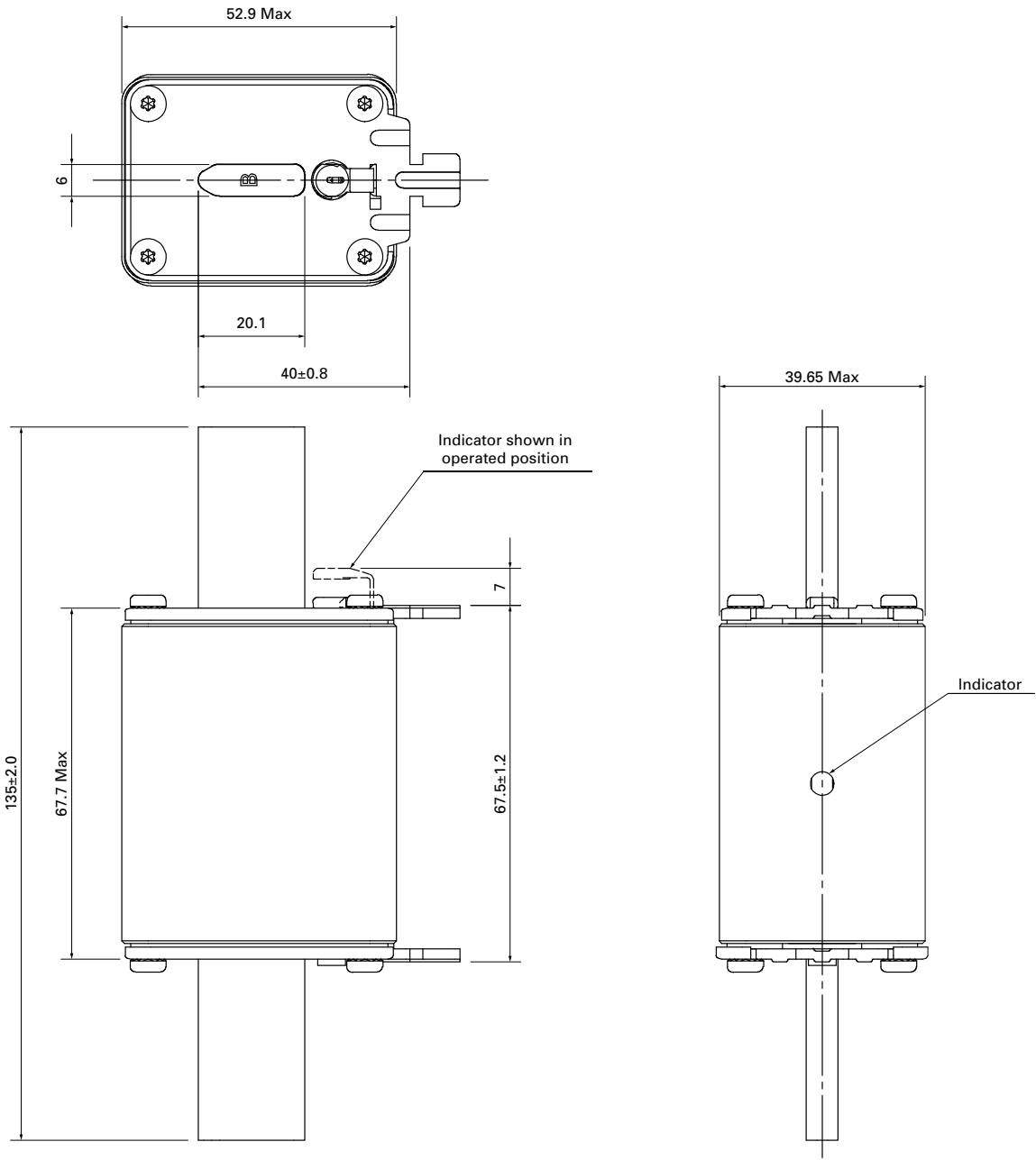
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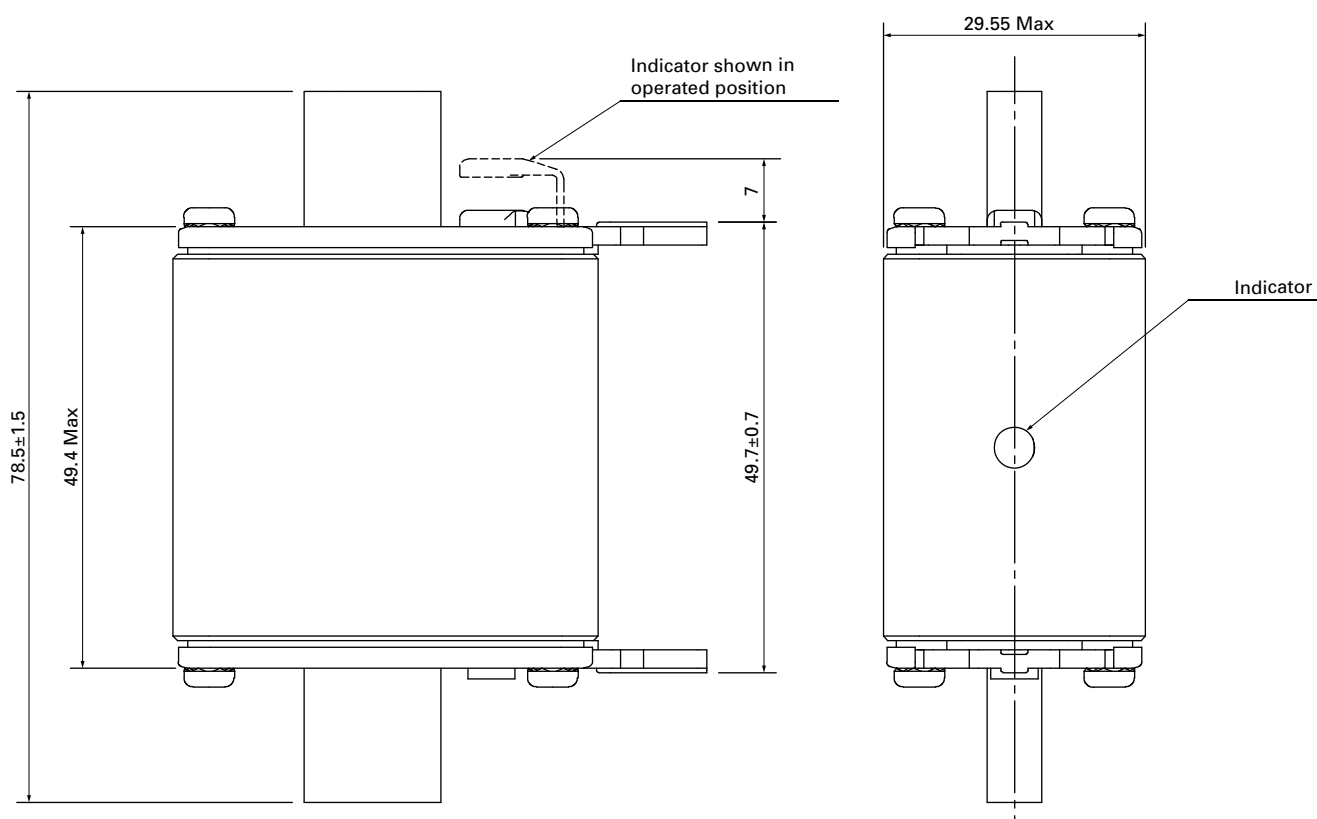
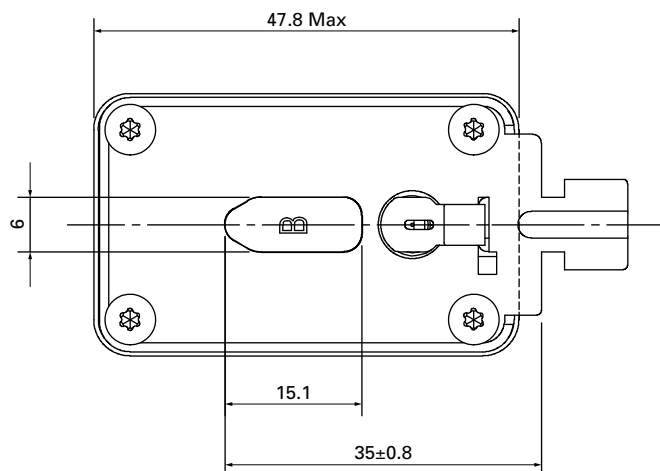
NH Fuse links overview

Dimensions

NH Fuse links dimensions - mm



NH Fuse links dimensions - mm

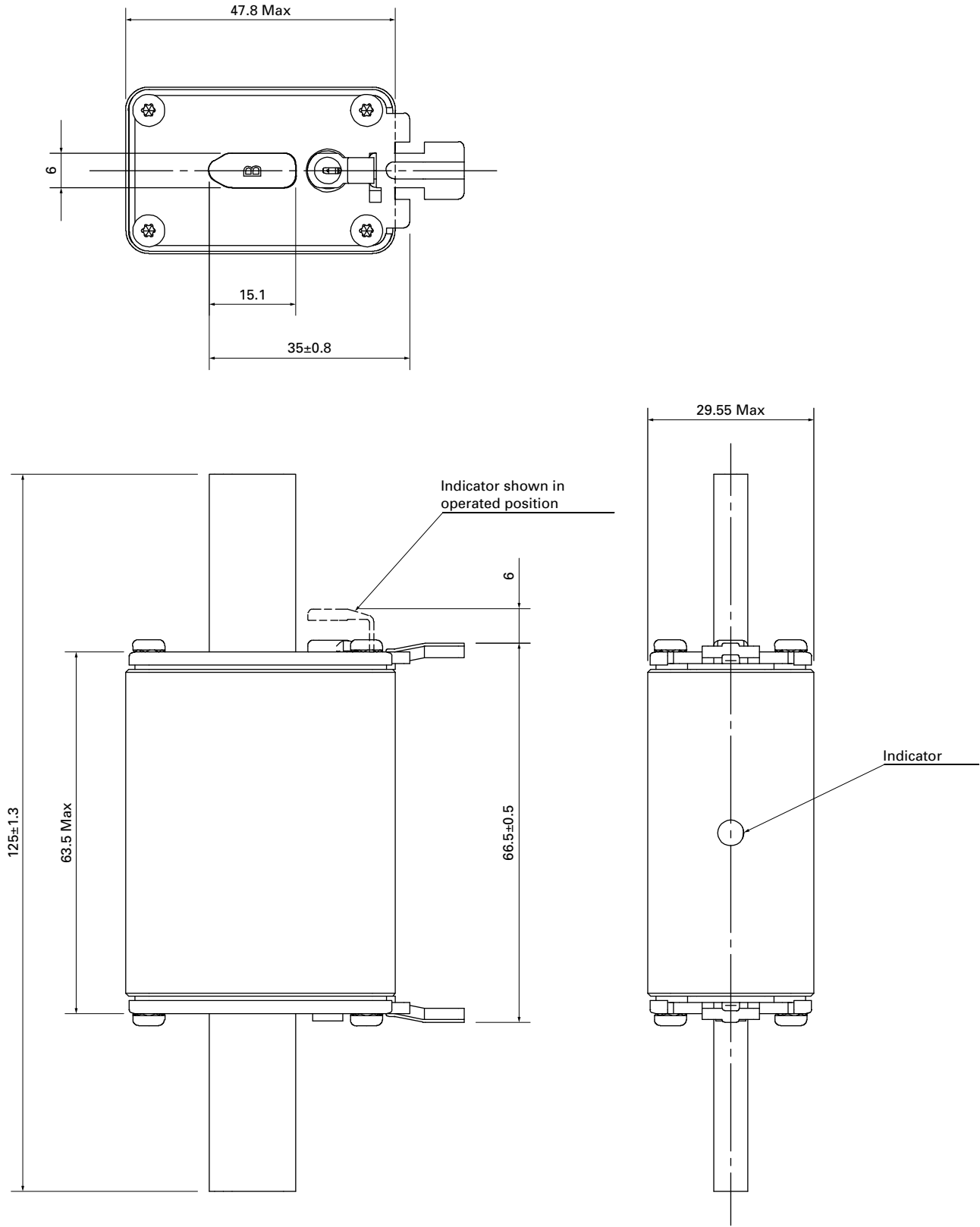


Size 00

NH Fuse links overview

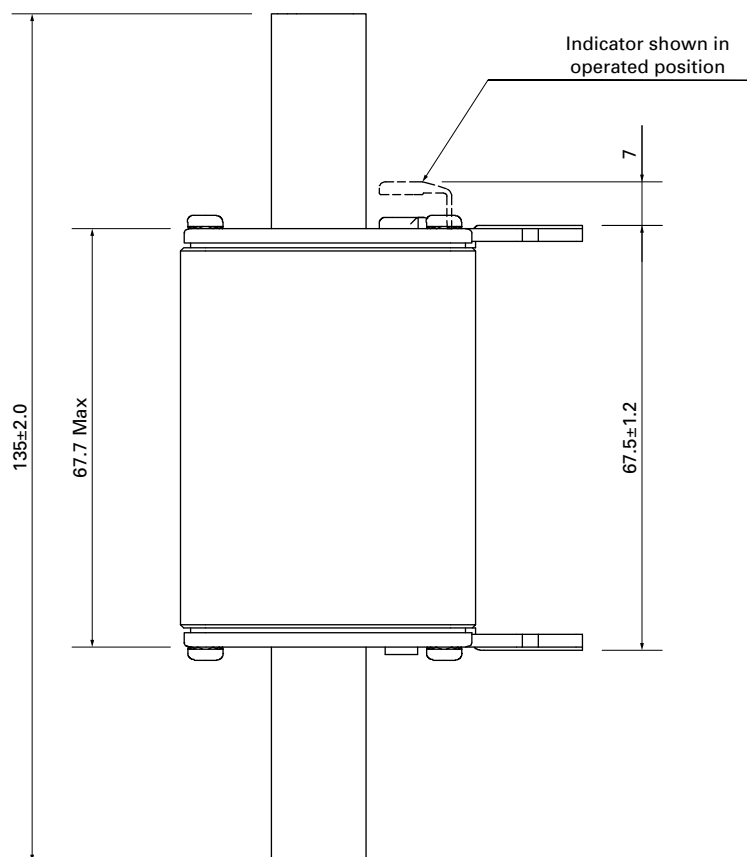
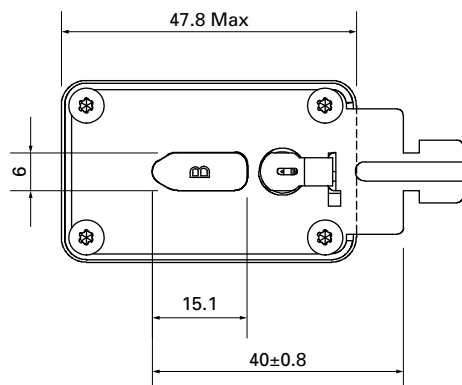
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NH Fuse links dimensions - mm

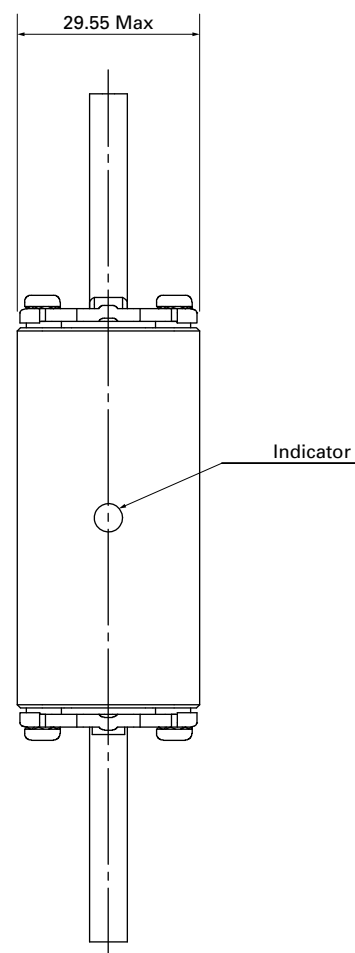


Size 0

NH Fuse links dimensions - mm



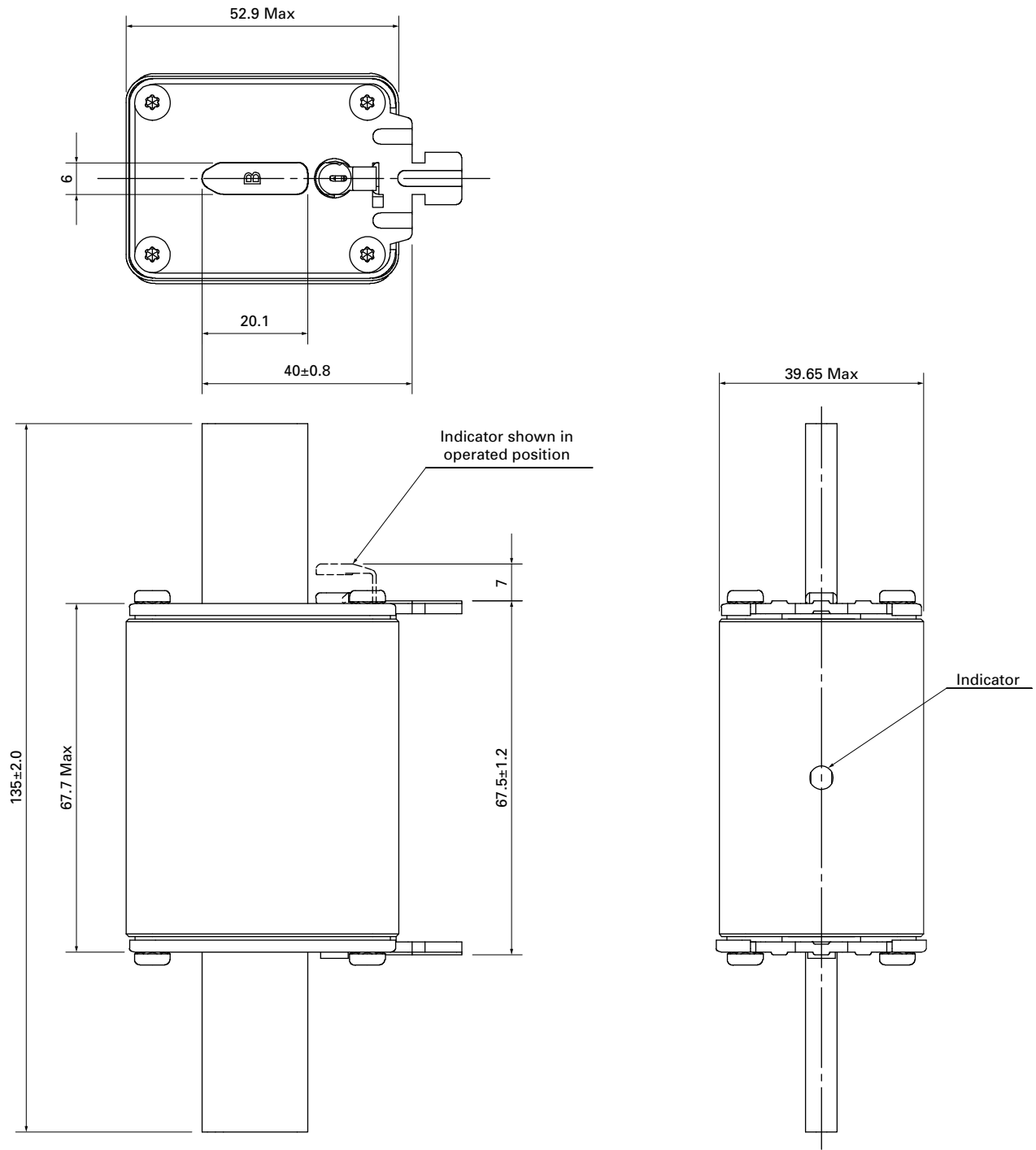
Size 01



NH Fuse links overview

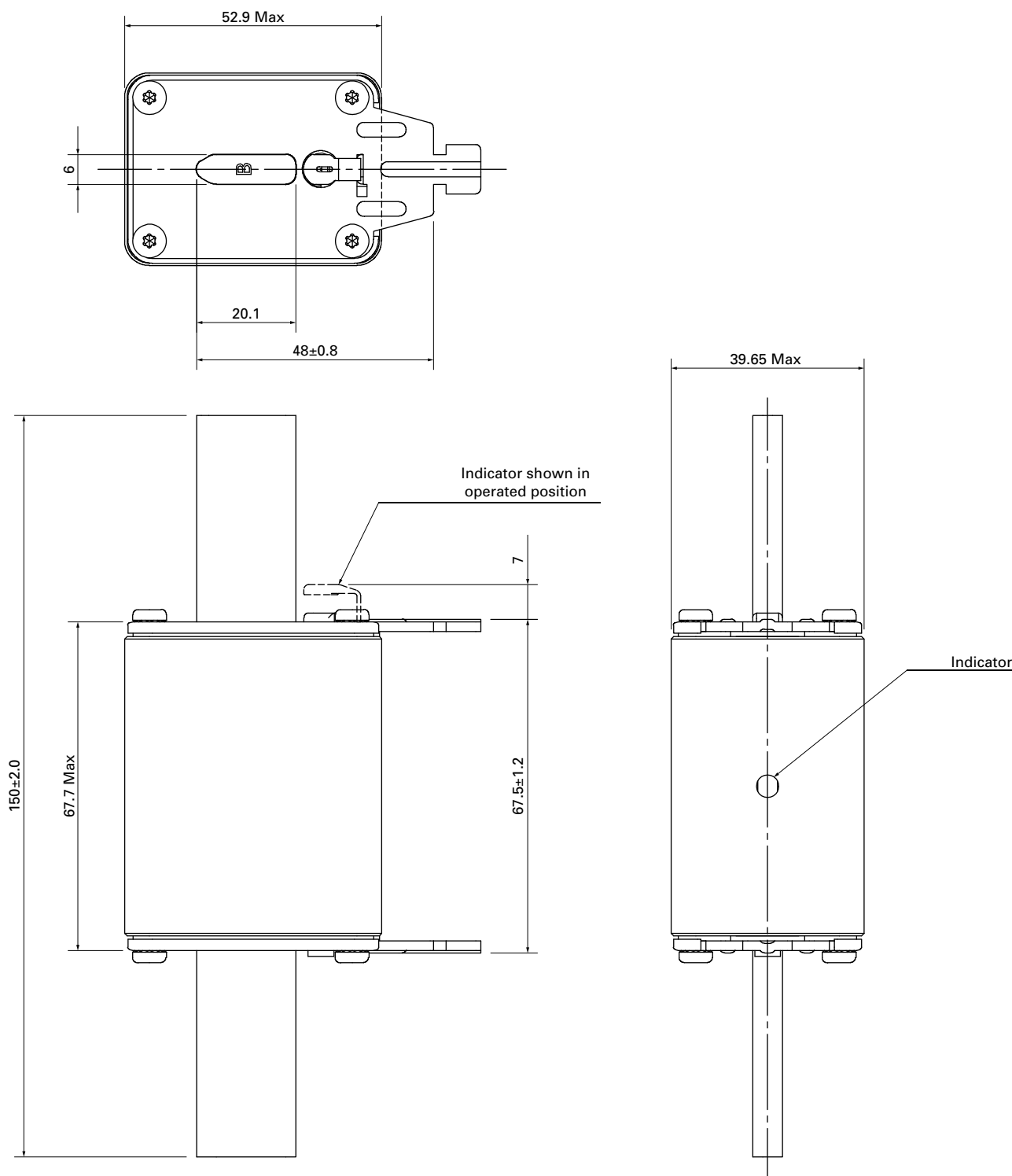
Dimensions - mm

NH Fuse links dimensions - mm



Size 1

NH Fuse links dimensions - mm

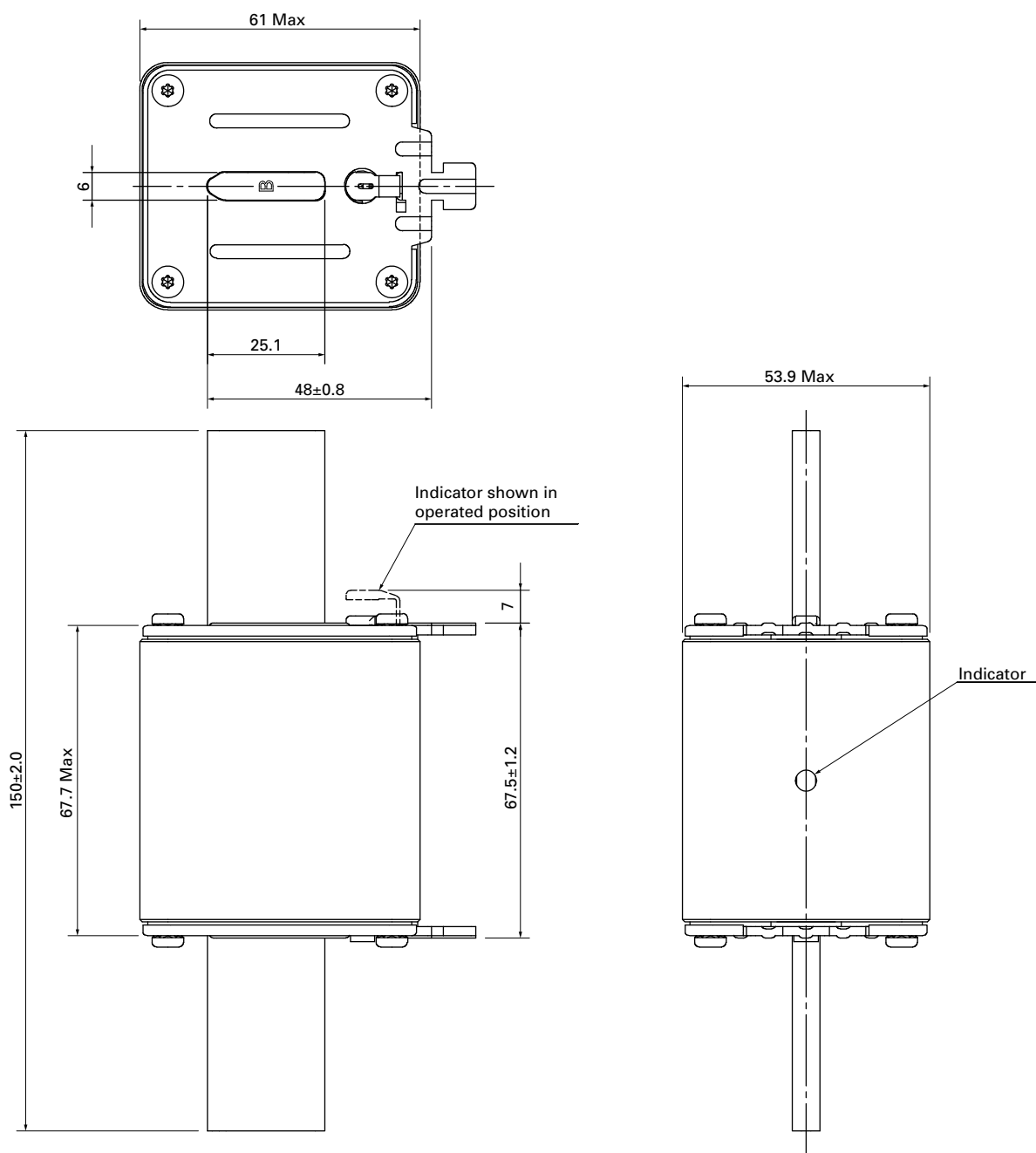


Size 02

NH Fuse links overview

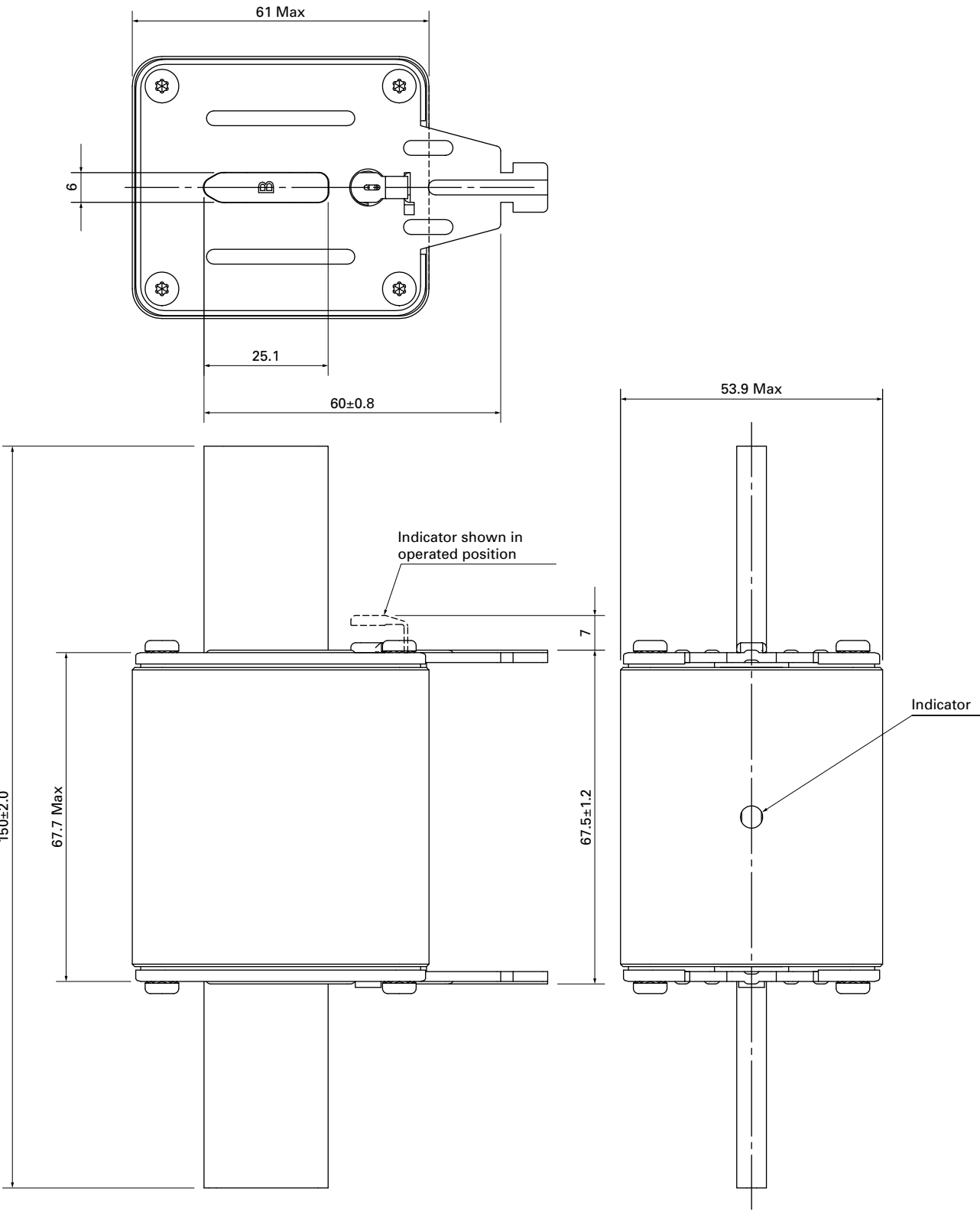
Dimensions - mm

NH Fuse links dimensions - mm



Size 2

NH Fuse links dimensions - mm

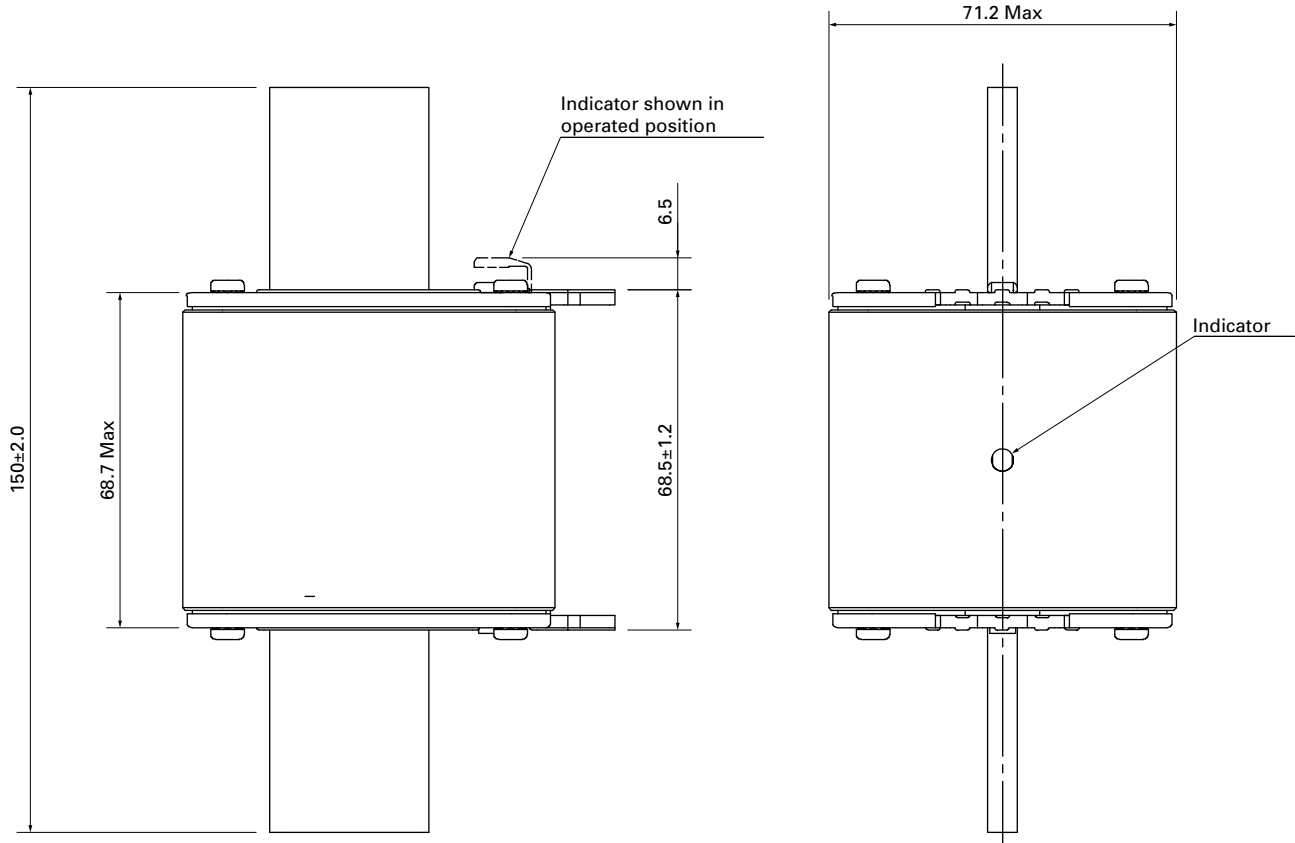
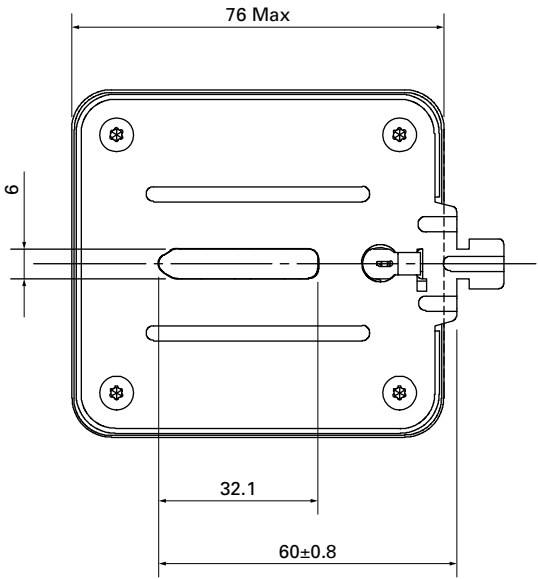


Size 03

NH Fuse links overview

Dimensions - mm

NH Fuse links dimensions - mm



Size 3

Industrial and motor applications to BS88 - Red spot

Offset bolted tags fuse links

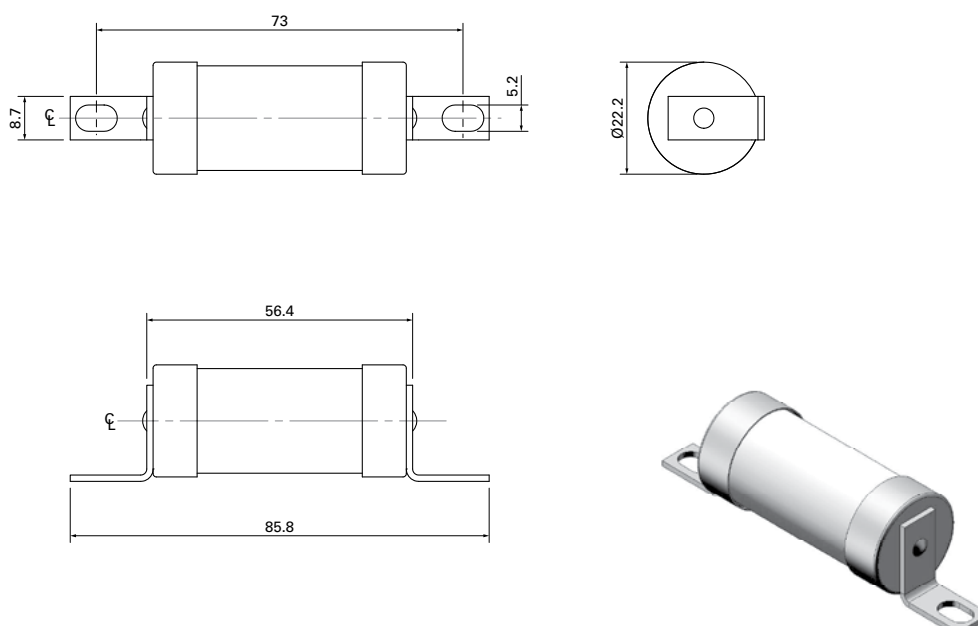
Offset bolted tags fuse links

TIA, class gG, 660-690 V a.c. and 460 V d.c., 2 to 32 A - class gM, 660-690 V a.c. and 460 V d.c., 32 A



Catalog numbers	Rated voltage	Rated current (Amps)	Breaking capacity	Operating class	BS reference	Fixing centre (mm)	Pack quantity	Compatible fuse holders
TIA2	660-690 V a.c. / 460 V d.c.	2	80 kA at 690 V a.c.	gG	A2	73	20	CM32F range
TIA4	660-690 V a.c. / 460 V d.c.	4	80 kA at 690 V a.c.	gG	A2	73	20	RS32 range
TIA6	660-690 V a.c. / 460 V d.c.	6	80 kA at 690 V a.c.	gG	A2	73	20	
TIA10	660-690 V a.c. / 460 V d.c.	10	80 kA at 690 V a.c.	gG	A2	73	20	
TIA16	660-690 V a.c. / 460 V d.c.	16	80 kA at 690 V a.c.	gG	A2	73	20	
TIA20	660-690 V a.c. / 460 V d.c.	20	80 kA at 690 V a.c.	gG	A2	73	20	
TIA25	660-690 V a.c. / 460 V d.c.	25	80 kA at 690 V a.c.	gG	A2	73	20	
TIA32	660-690 V a.c. / 460 V d.c.	32	80 kA at 690 V a.c.	gG	A2	73	20	
TIA32M35	660-690 V a.c. / 460 V d.c.	32M35	80 kA at 690 V a.c.	gM	A2	73	20	
TIA32M40	660-690 V a.c. / 460 V d.c.	32M40	80 kA at 690 V a.c.	gM	A2	73	20	
TIA32M50	660-690 V a.c. / 460 V d.c.	32M50	80 kA at 690 V a.c.	gM	A2	73	20	
TIA32M63	660-690 V a.c. / 460 V d.c.	32M63	80 kA at 690 V a.c.	gM	A2	73	20	

Dimensions - mm



[Data sheet: 10020](#)



TIS, class gG, 660-690 V a.c. and 460 V d.c., 35 to 63 A - class gM, 660-690 V a.c. and 460 V d.c., 63 A

Catalog numbers	Rated voltage	Rated current (Amps)	Breaking capacity	Operating class	BS reference	Fixing centre (mm)	Pack quantity	Compatible fuse holder
TIS35	660-690 V a.c. / 460 V d.c.	35	80 kA at 690 V a.c.	gG	A3	73	20	RS63 range
TIS40	660-690 V a.c. / 460 V d.c.	40	80 kA at 690 V a.c.	gG	A3	73	20	
TIS50	660-690 V a.c. / 460 V d.c.	50	80 kA at 690 V a.c.	gG	A3	73	20	
TIS63	660-690 V a.c. / 460 V d.c.	63	80 kA at 690 V a.c.	gG	A3	73	20	
TIS63M80	660-690 V a.c. / 460 V d.c.	63M80	80 kA at 690 V a.c.	gM	A3	73	20	
TIS63M100	660-690 V a.c. / 460 V d.c.	63M100	80 kA at 690 V a.c.	gM	A3	73	20	

[Data sheet: 10020](#)

Industrial and motor applications to BS88 - Red spot

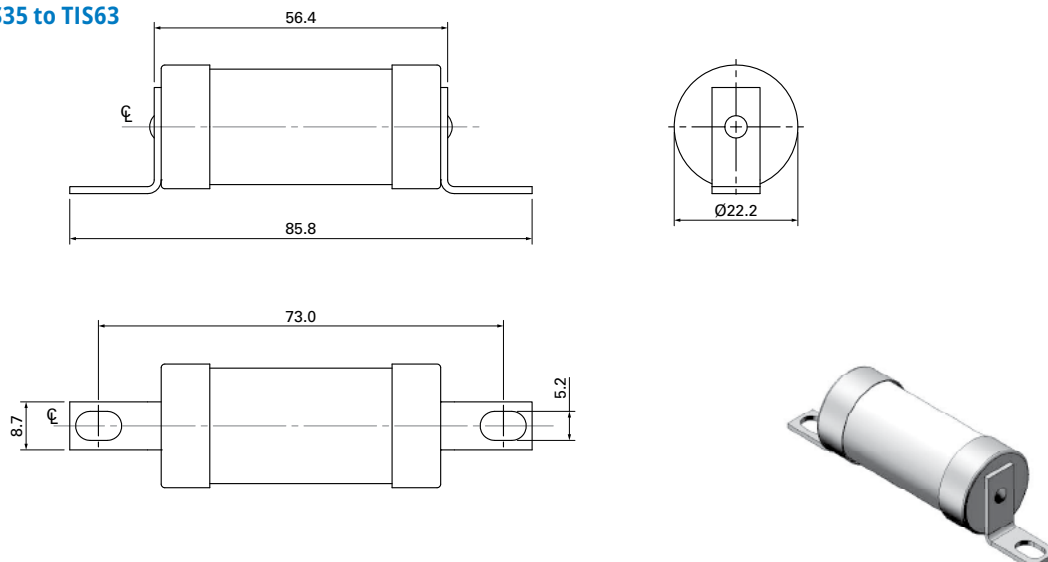
Offset bolted tags fuse links

Offset bolted tags fuse links

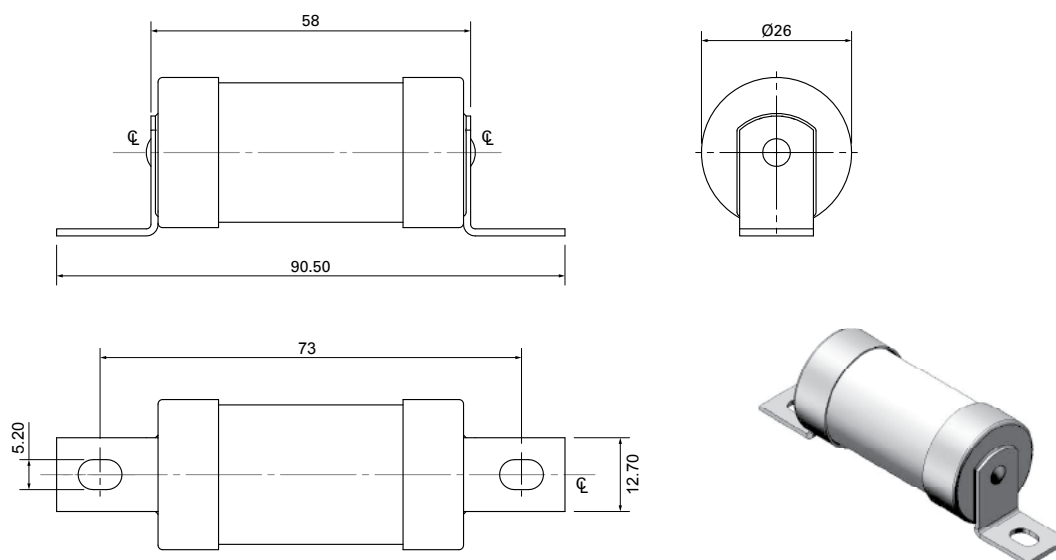
TIS, class gG, 660-690 V a.c. and 460 V d.c., 35 to 63 A - class gM, 660-690 V a.c. and 460 V d.c., 63 A

Dimensions - mm

TIS35 to TIS63



TIS63M80 and TIS63M100



[Data sheet: 10020](#)